

THE CITY OF MIAMI BEACH BUILDING DEPARTMENT
1700 CONVENTION CENTER DRIVE (2ND FLOOR)
MIAMI BEACH, FLORIDA 33139
www.miamibeachfl.gov
(305) 673-7610

LIGHTWEIGHT INSULATING CONCRETE (LWIC) FILL
SPECIAL INSPECTOR REPORT

Roofing Permit No. _____

Building Permit No. _____

Property Address: _____

Date(s) of Installation: _____

Dates of Inspection(s): _____

LWIC Product Approval (NOA) No: _____

LWIC Manufacturer: _____

LWIC installer(*approved by manufacturer*) _____

LWIC installer License No. _____

☐

Building Contractor

☐

General Contractor

TYPE OF LWIC Installed 1917.4.3 FBC

- ☐ Aggregate Concrete
- ☐ Cellular Type (mechanically attached roof system)
- ☐ Cellular type (adhered roof system, deck surface prepared per the roof system NOA)

Substrate the LWIC is installed over per 1917.3.12, 1917.4.1 FBC:

- ☐ Slotted Steel Deck
- ☐ Existing Steel Deck
- ☐ Structural Concrete
- ☐ Existing Roof Assembly
- ☐ Steel support spacing: _____ (for new construction) ☐ Other Deck Type: _____

Deck Attachment Method (per the LWIC Product Approval NOA)

- ☐ Puddle Weld :size _____ {Washer ☐ Yes ☐ No} Weld Spacing: _____
- ☐ Screw Type: _____ Spacing: _____
- ☐ Side Lap attachment method: _____ Spacing: _____

Method of venting the LWIC 1917.4.2 FBC _____

Minimum thickness of the LWIC 1917.4.2 FBC _____

Minimum slope of the LWIC _____

Expansion Joints installed per approved permit documents and 1917.11 FBC

- ☐ Approved ☐ Disapproved ☐ N/A

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NOTICE TO CITY OF MIAMI BEACH BUILDING DEPARTMENT
OF EMPLOYMENT AS SPECIAL INSPECTOR UNDER
THE FLORIDA BUILDING CODE

I (We) have been retained by _____ to perform special inspector services under the Florida Building Code at the _____ project on the below listed structures as of _____ (date). I am a registered architect or professional engineer licensed in the State of Florida.

PROCESS NUMBERS:
SPECIAL INSPECTOR FOR LIGHTWEIGHT INSULATING CONCRETE FILL (LWC)
Installed per Section(s) 1917 FBC

The following individual(s) employed by this firm or me are authorized representatives to perform inspections.

- | | |
|----------|----------|
| 1. _____ | 2. _____ |
| 3. _____ | 4. _____ |

**Special Inspectors utilizing authorized representative shall insure the authorized representative is qualified by education or licensure to perform the duties assigned by the Special Inspector. The qualifications shall include licensure as a professional engineer or architect; graduation from an engineering education program in civil or structural engineering, graduation from an architectural education program, successful completion of the NCEES Fundamentals Examination; or registration as building Inspector or General Contractor.*

I, (We) will notify The City of Miami Beach Building Department of any changes regarding authorized personnel performing inspection services.

I, (We) understand tha a Special Inspector inpection log for each building must be displayed in a conspicuous place on the site for reference by the Miami Beach Building Department Inspector.

The lightweight concrete installation log shall include:

1. Job log with the following information per 1917.2.3 FBC
 - a. Cost Density recordings/hour
 - b. Current LWC Product Approval
 - c. Date of Installation and job location
 - d. Results of field tests
2. Verification of equipment calibration
3. Installation of required venting of the LWC
4. Installation of expansion joints if required

The City of Miami Beach Building Department must be called for a final inspection. Inspections performed by the Special Inspector hired by the Owner are in addition to the mandatory inspections performed by the Building Department. Further, upon completion of the work under each Building Permit I willl submit to the Building Inspector at the time of final inspection the completed inspection log form and a sealed statement indicating that to the best of my knowledge, belief and professional judgement those portions of the project outlined above meet the requirements of the Florida Building Code and are in substantial accordance with the approved permit documents.

Engineer/Architect

Name _____

Address _____

Phone No _____

Signed and Sealed _____

Date: _____

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CAST DENSITY RECORDING (CHECKED HOURLY)

ACCEPTABILITY RANGES PER THE LWIC NOA

☐ Yes ☐ No

DRY DENSITY RANGE: _____ PCF (DEPENDING ON THE ROOF COVER TYPE)
WET DENSITY RANGE: _____ PCF (DEPENDING ON THE ROOF COVER TYPE)

WALKABILITY INSPECTION (19117.2.4 FBC)

☐ APPROVED ☐ DSIAPPROVED DATE OF INSPECTION: _____

All the LWIC was installed in compliance with the requirements of the Florida Building Code section 1917, the LWIC Product Approval (NOA), and the LWIC manufacturer's recommendations and specifications.

From my observations of the mixing, installation, and finishing of the lightweight insulating concrete system, to the best of my knowledge, belief and professional judgement those portions of the project outlined above meet the intent of the Florida Building Code and are in substantial accordance with the approved permit documents.

Engineer/Architect

Name: _____

Signed and Sealed

Address: _____

Date: _____

Phone No. _____

Lightweight Concrete Density Record

JOB

DATE

ADDRESS

DAY

TELEPHONE

SUPERVISOR

TIME	DENSITY
A.M.	
7:00	
7:30	
8:00	
8:30	
9:00	
9:30	
10:00	
10:30	
11:00	
11:30	
P.M.	
12:00	
12:30	
1:00	
1:30	
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2:30	
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4:30	
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7:00	